

1. (previously presented) A method of suppressing microphase separation during preparation of PANiEB films, comprising the steps of:

dissolving PANiEB in a solution;

providing a porous membrane;

placing the porous membrane in the solution;

removing the porous membrane from the solution; and

evaporating the solution.

2. (previously presented) The method of claim 1, wherein the step of dissolving PANiEB in the solution comprises dissolving PANiEB in NMP.

3. (previously presented) The method of claim 1, wherein the step of providing the porous membrane comprises providing a free-standing porous alumina disc having cylindrical parallel pores.

4. (previously presented) The method of claim 3, wherein the step of providing the porous membrane, which has cylindrical parallel pores, comprises providing the porous membrane where the parallel pores are approximately 20 nm in diameter.

5. (previously presented) A method of suppressing microphase separation in PANiEB comprising the steps of:

dissolving PANiEB in NMP to form a solution;

casting a film from the solution by immersing a porous membrane in the solution, wherein the porous membrane has parallel cylindrical pores.

6. (previously presented) The method of claim 5, wherein the average diameter of the cylindrical pores is 20 nm.

7. (new) A PANiEB film made by the method of claim 1.

8. (new) A PANiEB film made by the method of claim 5.

9. (new) A method of suppressing microphase separation of PANiEB comprising the steps of:

dissolving PANiEB in a solution;

confining the dissolved PANiEB in at least one pore; and

evaporating the solution.

10. (new) The method of claim 10, wherein the step of dissolving PANiEB in a solution comprises dissolving PANiEB in NMP.

11. (new) The method of claim 10, wherein the step of confining the dissolved PANiEB in at least one pore comprises confining the dissolved PANiEB in at least one cylinder having a diameter of approximately 20 nm.

12. (new) The method of claim 10, wherein the step of confining the dissolved PANiEB in at least one pore comprises confining the dissolved PANiEB in at least one pore of an anopore membrane.

13. (new) A cylinder of PANiEB formed by the method of claim 11.